

GOLDAIR

Operating Instructions

Panel Heaters



GPH110



GPH210/220



GPH310/320



GPH410/420

Models: GPH110, GPH210/220, GPH310/320, GPH410/420

General Care and Safety Guide

Thank you for choosing a Goldair Panel Heater. This Goldair Heater has been designed and manufactured to high standards of engineering and with proper use and care, as described in this leaflet, will give you years of useful service. Please read these instructions carefully.

1. Use only the voltage specified on the rating label of the appliance.
2. Keep all objects at least 1 metre from the front and sides of the appliance. Do not place appliance close to radiant heat source.
3. Do not operate in areas where petrol, paint or other flammable liquids are used or stored.
4. Do not insert or allow foreign objects to enter any ventilation or exhaust opening, as this may cause an electric shock, fire or damage to the appliance. Do not sit on the appliance.
5. Do not operate this appliance with a damaged cord, plug or after the appliance malfunctions or has been dropped or damaged in any manner. Return to a qualified electrical person for examination, electrical service or repair.
6. This appliance is intended for household use only and not for commercial or industrial use.
7. Use this appliance only as described in this manual. Any other use is not recommended by the manufacturer and may cause fire, electrical shock or injury.
8. The common cause of overheating is deposits of dust or fluff in the appliance. Ensure these deposits are removed regularly by unplugging the appliance and vacuum cleaning the air vents and grills.
9. Do not use abrasive cleaning products on this appliance. Clean with a damp cloth (not wet) rinsed in hot soapy water only. Always remove plug from the mains supply before cleaning.
10. Do not connect the appliance to mains supply until completely assembled and adjusted.
11. Switch off and use handle provided when moving.
12. Do not operate with cord set coiled up as a heat build up is likely, which could be sufficient to become a hazard.
13. Do not use an extension cord, powerboard, or external timer with this unit.
14. Do not remove plug from power socket until the appliance has been switched off.
15. Do not remove plug from power socket by pulling cord; always grip plug.
16. Always unplug appliance when not in use.
17. Do not locate the heater directly below any power socket during operation.
18. Do not twist, kink or wrap the cord around the appliance, as this may cause the insulation to weaken and split. Always ensure that all cord has been removed from any cord storage area and is unrolled before use.
19. This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities or lack of experience and knowledge, unless they are supervised or have been given instruction concerning the use of the appliance by a person responsible for their safety.
20. Do not use this appliance in the immediate surrounds of a bath, a shower, or a swimming pool or other liquids. The appliance must not be immersed in any liquids.
21. When the appliance has been unpacked, check it for transport damage and ensure all parts have been delivered. If parts are missing or the appliance has been damaged, contact the Goldair Customer Services Team.
22. If your appliance does not work, or is not working properly, contact the place of purchase or the Goldair Customer Services Team. Repair work on the appliance by unqualified persons can cause serious risk to the user.
23. There are no user serviceable parts installed in the unit.
24. Do not place the unit in wardrobes or other enclosed spaces as this may cause fire hazards.
25. This unit is not supposed to be used in or around locations where foodstuffs, works of art or delicate articles of science, etc are stored.
26. Indoor use only.
27. Children should be supervised to ensure that they do not play with the appliance.
28. Ensure heater is on a flat, stable, heat-resistant surface when free standing.
29. It is important that you do not cover this heater.

TECHNICAL SPECIFICATION

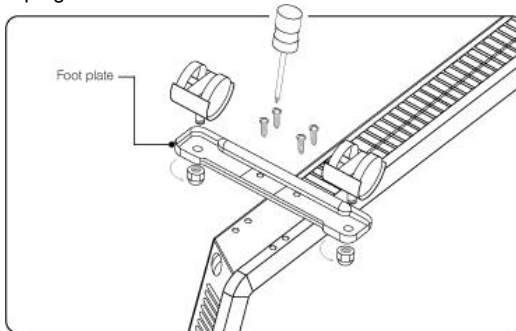
Model No: GPH110, GPH210/220, GPH310/320, GPH410/420
Supply: 220-240VAC 50Hz
Wattage: 500W, 1000W, 1500W, 2000W

Operating Your Panel Heater

FREE STANDING

1. Ensure the heater is unplugged and power switches are off.
2. Set heater upside down.
3. Locate the four holes at each end of the base of the heater.
4. Using the provided one-way screws, secure the foot plates to the base through these holes. Please note once these one-way screws are in they cannot be removed.
5. Set heater upright and plug into a standard 240 volt AC electrical outlet.

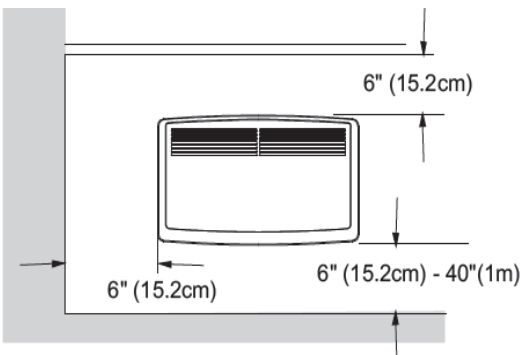
The screw pack to attach the feet to your heater will be taped to either one of the feet for your heater, or taped to the plug head.



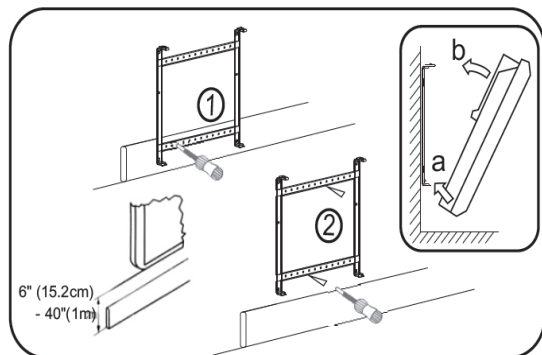
WALL MOUNTED

1. Make sure the heater is unplugged and power switches are off.
2. Position the panel heater within one metre of a wall socket. Do not mount in front of or below the wall socket. Ensure there is at least 150mm clearance on all sides of the heater.
3. Detach the mounting bracket from the back of the panel heater by unscrewing the two locking screws (located on the top of the mounting bracket).
4. Position the mounting bracket on the wall and mark the hole positions with a pen or pencil and check they are horizontal with a spirit level. Ensure the two bottom mount holes are at least 150mm from the floor and drill holes as required.
5. Secure the mounting bracket to the wall with the four mounting screws. (For masonry walls use the plastic sheaths).
6. Slot the back of the heater onto the mounting bracket locating the bottom plugs first and secure with two locking screws.
7. Plug heater into a standard 240 volt AC electrical outlet.

The screw pack to attach the feet to your heater will be taped to either one of the feet for your heater, or taped to the plug head.



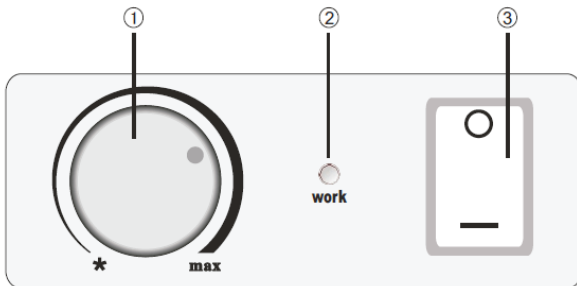
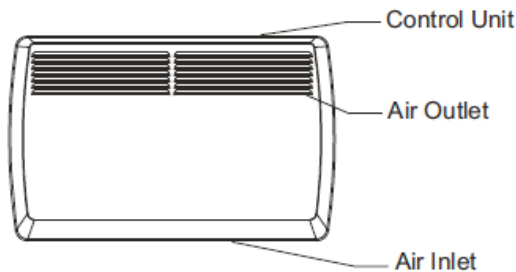
Wall Mounting Position



Wall Mounted

Operating Your Manual Panel Heater

OVERVIEW OF YOUR GOLDAIR PANEL HEATER **Manual Thermostat model*



- 1) Temperature Control Knob
- 2) Working Indicator
- 3) Switch (On: - Off: O)

OPERATING YOUR HEATER

Always choose a safe location for the heater, keeping in mind the safety precautions outlined. Ensure all packaging has been removed from the unit before use. Check that the heater is switched off before plugging into the mains supply.

Switch on the On/Off switch on the control panel to the “-” (On) position.

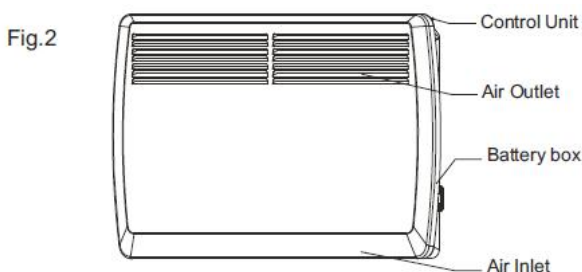
To turn off the heater, switch the On/Off switch to the “O” position

THERMOSTAT

Turn the thermostat knob clockwise until you reach the maximum temperature on the graduated scale. When the desired room temperature is reached, slowly turn the knob anti-clockwise until the heater turns off (you will hear a click). The heater will now cycle on and off to maintain the set temperature.

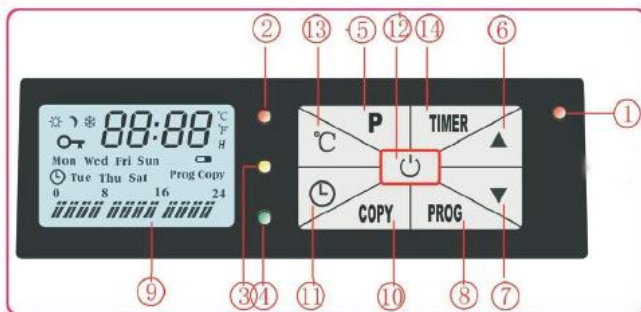
Operating Your Electronic Panel Heater

OVERVIEW OF YOUR GOLDAIR PANEL HEATER **Electronic Thermostat model*



Control Panel

Fig.3



- | | |
|--|---|
| 1. red indicator light | 8. program |
| 2. red comfortable temperature indicator | 9. LCD screen |
| 3. yellow operating light | 10. Copy program |
| 4. green energy saving indicator | 11. day ,hour and minute setting |
| 5. program selector | 12. on/off switch |
| 6. up button | 13. Comfortable or energy saving temperature selector |
| 7. down button | 14. timer |

OPERATING YOUR HEATER

Always choose a safe location for the heater, keeping in mind the safety precautions outlined. Ensure all packaging has been removed from the unit before use. Check that the heater is switched off before plugging into the mains supply.

Push button number 12 to turn the heater on/off. The back light will illuminate (if the back light does not illuminate within 5 seconds the back light may not be functional).

The clock symbol and day/time display will flash when used for the first time, or after a long period of non-use. Default settings of the unit maintain comfort temperature (CC program) and the red indicator light (1) will glow. The Timer must be set, so that it can activate a control program.

Operating Your Electronic Panel Heater

SETTING THE TIME

Day

Press the Time button (11). The day will flash

Use the up and down buttons (6 & 7) to set the correct day

Hour

Press the Time button (11) again. The hour number will flash

Use the up and down buttons (6 & 7) to set the correct hour

Minutes

Press the Time button (11) again. The minute number will flash

Use the up and down buttons (6 & 7) to set the correct minutes.

Press the Timer button (11) for a fourth time to end the time setting.

The control panel will show the last selected program or the "UP" program (program for the week set by the user) if you haven't selected another program previously

SETTING THE ECONOMY TEMPERATURE

This is the maximum temperature the heater will attain during the economy periods of any program.

Press the Temperature button twice (13). The temperature and economy symbol  will flash.

Use the up and down buttons (6 & 7) to set the required economy temperature. Press the Temperature button (13) again to end the temperature setting.


The control panel will now show the last selected program.

NOTE: The default set temperature is 17°C.

The economy temperature must be set at least 4°C lower than the programmed comfort temperature.

SETTING THE COMFORT TEMPERATURE

This is the maximum temperature the heater will attain during the comfort periods of any program.

Press the Temperature button once (13). The temperature and comfort symbol  will flash

Use the up and down buttons (6 & 7) to set the required comfort temperature.

NOTE: The default set temperature is 30°C.

The comfort temperature cannot be set within 4°C of the programmed economy temperature.

If desired the temperature read out can be changed from Celsius to Fahrenheit by pressing and holding the temperature button (5 seconds)

In the below picture, "I" indicates when heat will be on, note that you must set the time (as described above) in order for these programmes to work at the expected times.



Operating Your Electronic Panel Heater

DESCRIPTION OF PROGRAMS *As per diagram below

P1 - Heat during the afternoon and evening

P2 – Heat during the morning, afternoon and evening

P3 – Heat during the morning, afternoon and evening

P4 – Staying at home

P5 – Lunch and afternoon

P6 – Office (short opening hours)

P7 – Office (long opening hours)

P8 – Kids bedroom

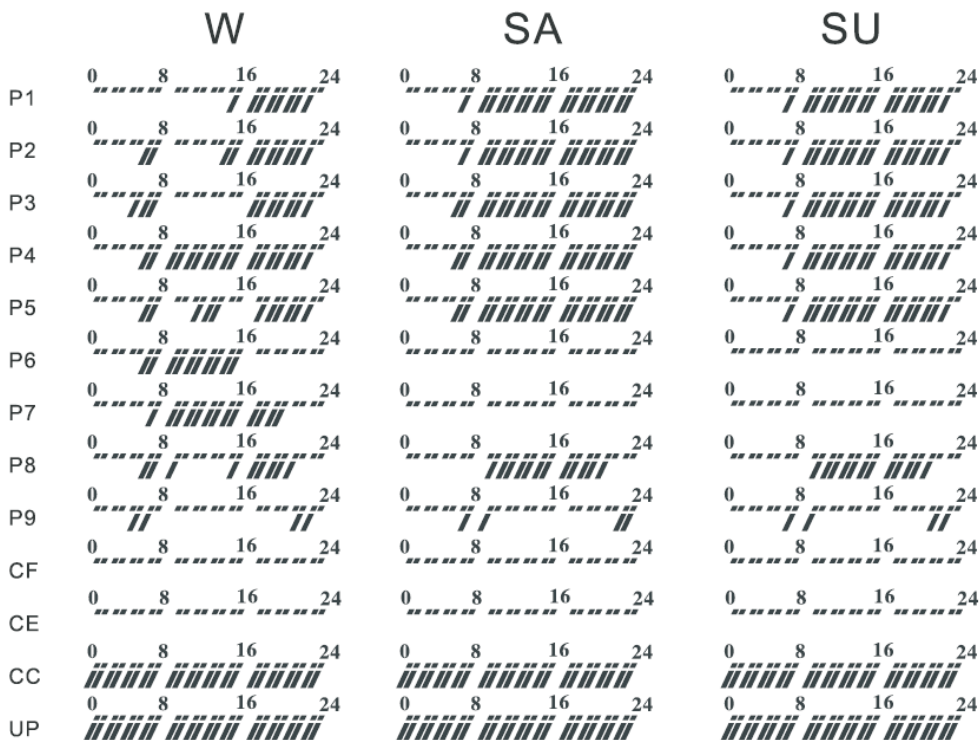
P9 – Bedroom

CF – Constant frost protection (5°C)

CE – Constant energy saving temperature

CC – Constant comfort temperature

UP – Program for the week set by the user



Operating Your Electronic Panel Heater

SELECTING A PRE-SET PROGRAM

See the description of all programs (on previous page), explaining their content and how they are used. The program contents cannot be altered.

Press the program selection button (5). The display will now show the day, the program type (which will flash), the temperature and the program sequence.

Use the up and down buttons to select the desired program.

Press the program selector button (5) again to end the setting. The program type will stop flashing. The program is now active and will run.

SELECTING THE USER PROGRAM (UP) PROGRAM

Select program type "UP" as described in section above.

Press the programming button (8). The day, time (00:00, midnight), the program sequence and the word "Prog" are displayed.

If you would like the program to start on a particular day, for example Saturday, press the timer button (11) until this day is displayed.

PROGRAMMING THE ECONOMY PERIODS

Use the down button (7) to enter the required economy periods.

The timer will advance in steps of one hour.

When the down button (7) is released, the next comfort period unit will flash.

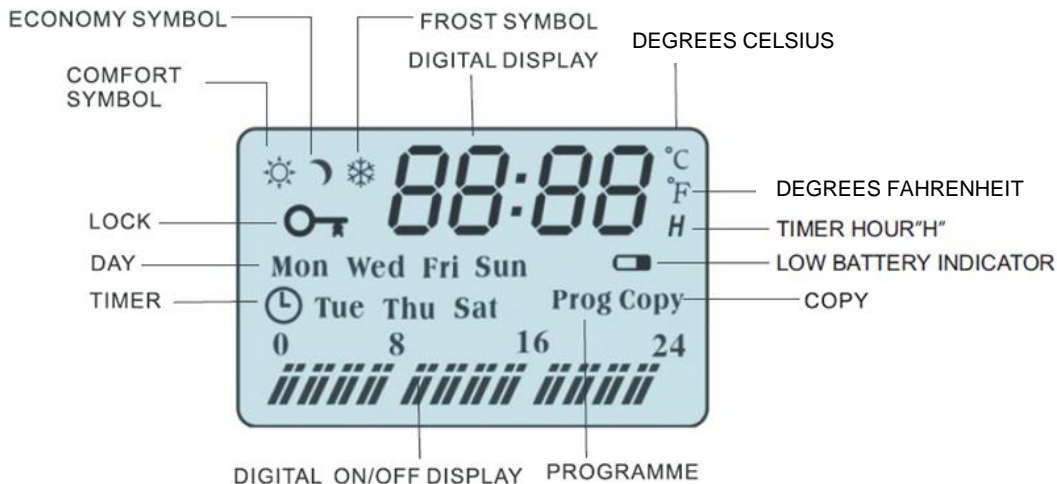
PROGRAMMING THE COMFORT PERIODS

Use the up button (6) to enter the required comfort periods.

The timer will advance in steps of one hour. When the up button (6) is released, the corresponding comfort period unit in the program sequence will flash

PROGRAMMING A 24-HOUR DAY

Complete the programming for the whole 24-hour day with economy and comfort periods. After programming the full 24 hours, the timer will display 00:00 (midnight). The unit is now ready for programming the next 24-hour day. Press the up and down buttons at the same time to start programming over again



Operating Your Electronic Panel Heater

COPYING A 24-HOUR PROGRAM

If the same 24 hour program is suitable for several days in the week, you can copy the program into corresponding days

Enter or find the 24-hour program you would like to copy

Press the Copy button (10). The word "Copy" will be shown. The "day" will flash as well

Press the timer button (11) to display the day onto which you would like to copy the program. The day will flash

Press the copy button (10) to complete the operation. The word "Copy" will disappear from the display and the day will stop flashing. Repeat this operation to copy the program onto another day.

Press the Copy button (10).

TERMINATE THE WEEK'S PROGRAM

Press the programming button (8) again to terminate the week's programs. The control panel will now show the correct, program type "UP", the temperature, corresponding red or green light, and the program sequence for the present day. The program is now active and running in "real-time".

The program information is stored and will be lost when a factory-set program is used.

ALTERING THE USER PROGRAM FOR THE WEEK

Display the UP program type if another program is operating. See above for how to select the program.

Press the programming button (8) to open the program.

Make the required alterations as explained in the programs section of this manual.

You will need to alter the complete 24-hour program.

ADJUST THE TEMPERATURE OF A RUNNING PROGRAM FOR THE WEEK

The temperature read by the temperature sensor is relative to the position of the heater in the room. If the actual temperature is higher than the setting, you can compensate for this by adjusting the temperature setting. For example, if the comfort temperature is set at 24°C but the actual room temperature is 26°C, compensate for this by lowering the setting to 22°C. Similarly increase the temperature setting if the actual room temperature is lower than the setting.

Note: do not make these adjustments if the temperature is stable.

Press temperature button (13). The temperature setting and comfort symbol flash. Use the up and down arrows to adjust the temperature to your desired setting.

Press the temperature button (13) again so that the economy symbol is displayed. Adjust the economy temperature in the same way.

Terminate by pressing the temperature button again. The heater will revert to the last selected program.

TEMPERATURE SWITCH

Press the button (13) for more than 3 seconds, the temperature can be switched between Fahrenheit (F) and Celsius temperature (C).

The default setting is Celsius.

Operating Your Electronic Panel Heater

TIMER

When the machine is on, press the Timer button (14) for timing shutdown, then press the up button (6) or down button (7) to set timer.

When this selected time has elapsed, the heater will turn off.

When the heater is off, press the Timer button (14) for timing start up, then press the up button (6) or down button (7) to set timer.

When the selected time has elapsed the heater will turn on.

The Timer setting is one hour units within 24 hours.

Note: You cannot set a specific turn on or turn off time.

LOCKING THE CONTROL PANEL

Press the program selector button (5) to make the program type flash

Press the programming button (8) and the setting of the time button (11) at the same time until the lock symbol (padlock) is displayed.

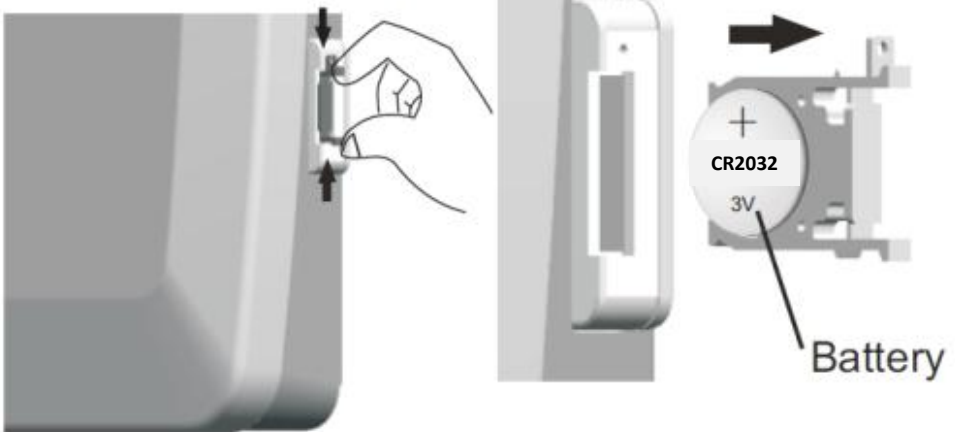
All the control functions are now locked, and the buttons will no longer operate until unlocked.

Do the same sequence to unlock the control panel

LOW BATTERY INDICATOR

When the timer battery is low, the LCD screen will flash the low battery symbol to remind you to replace the battery. The control panel (**Electronic models only*) requires 1x CR2032 battery (included).

Replace battery



Operating Your Panel Heater

CLEANING YOUR HEATER

The heater requires regular cleaning to ensure trouble free operation:

Unplug the heater from the mains supply before cleaning.

Ensure that the heater has been allowed to cool down completely before cleaning.

Use a damp (not wet) cloth to wipe the exterior of the heater to remove dust and dirt.

Use a vacuum cleaner to remove dust and fluff from the inlet and outlet grills.

To clean behind the heater (when mounted on a wall); unfasten the two locking screws located on the top of the mounting bracket, press down on the two release catches on the mounting bracket to tilt the heater forward.

When the heater is tilted forward, it is easier to clean behind it.

It is important to return the heater to its original position after cleaning and to refasten the locking screws.

Ensure the heater is dry before plugging back into the mains supply.

IMPORTANT! NEVER COVER THIS HEATER!

CAUTION

The heater generates heat during use. Proper precautions must be taken to prevent the risk of burns, scalds, fires or other damage to persons.

Do not use this heater with a separate programmer, separate timer, separate remote-control system or any other device that switches the heater on automatically.

WARNING: Keep all objects at least 1 metre from the front and sides of the appliance.

WARNING: Take care in positioning your heater, using the Timer will mean the heater will come on automatically. Fire may result if placed next to combustible material.

Do not attempt to dismantle the heater. There are no user serviceable parts. For service or repair, contact an authorised electrical service technician.

PROOF OF PURCHASE

To receive warranty retain receipt as proof of purchase.

GOLDAIR

SUPPORT AND TECHNICAL ADVICE

Goldair – New Zealand

Monday – Friday 8am-5pm

Phone +64 (0)9 917 4000

Phone 0800 232 633

info@cdb.co.nz

Goldair – Australia

Monday – Friday 8am-5pm

Phone +61 (0)3 9336 4423

Phone 1300 465 324

info@cdbgolair.com.au

Two Year Warranty

Thank you for purchasing this Goldair product. Your product is warranted against faults and manufacture when used in normal domestic use for a period of **two years**. In non-domestic use Goldair limits the voluntary warranty to **three months**.

Goldair undertake to repair or replace this product at no charge if found to be defective due to a manufacturing fault during the warranty period.

This warranty excludes damage caused by misuse, neglect, shipping accident, incorrect installation, or work carried out by anyone other than a qualified electrical service technician.

PLEASE KEEP YOUR RECEIPT AS THIS WILL HELP VERIFY YOUR WARRANTY.

The benefits given to you by this warranty are in addition to other rights and remedies available to you under law in relation to the goods or services to which this warranty relates.

In Australia, our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

In New Zealand this warranty is additional to the conditions and guarantees of the Consumers Guarantee Act (1993).

Goldair – New Zealand

CDB Goldair
PO Box 100-707
N.S.M.C
Auckland

Phone +64 (0)9 917 4000
Phone 0800 232 633
www.goldair.co.nz

Goldair – Australia

CDB Goldair Australia Pty
PO Box 574
South Morang
Victoria, 3752

Phone +61 (0)3 9336 4423
Phone 1300 GOLDAIR (1300 465 324)
www.goldair.com.au

Goldair Two Year Warranty (IMPORTANT: Please complete and retain this warranty card)

Name

Address

Place Of Purchase Date of Purchase

Name Of Product Model Number

Attach a copy of the purchase receipt to this warranty card